

Basic features

Application	Welding area
Approval/Conformity	CE cULus WEEE

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR welding spark resistant Orange, 1 m, drag chain compatible
Cable diameter D	4.60 mm ±0.20 mm
Cable, bending cycles min.	5 mil.
Cable, torsion stress	±360°/m
Conductor cross-section	0.34 mm ²
Connection 1	M8x1-Female, straight, 3-pin, A-coded
Connection 2	M12x1-Male, straight, 3-pin, A-coded
Number of conductors	3
System	Molded/Molded

Electrical data

Operating voltage U _b	60 VDC / 60 VAC
Rated current (40 °C)	4.0 A

Environmental conditions

Cable temperature, drag chain	-25...60 °C
Cable temperature, fixed routing	-40...80 °C
Cable temperature, flexible routing	-25...80 °C
IP rating	IP67, IP69K/IP67, IP68, IP69K

Material

Cable jacket material, note	welding spark resistant
Cable jacket, material	PUR
Material contact carrier	PUR/PUR
Material contacts	Bronze/Brass
Material cover nut	Die-cast zinc or nickel plated brass/Die-cast zinc
Material grip	PUR/PUR

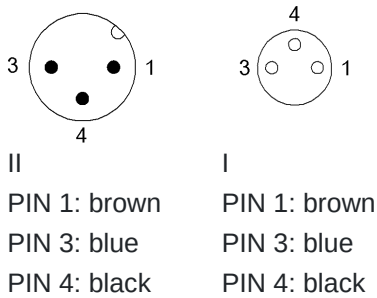
Mechanical data

Acceleration max., drag chain	5 m/s ²
Cable jacket, color	Orange
Cable length L	1.00 m
Cable properties	drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.4 Nm/0.6 Nm
Traverse speed max., drag chain	200 m/min
Vertical travel permitted, drag chain	2 m

Remarks

Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.
Cable construction acc. to UL-AWM Style 20549
Halogen-free per DIN VDE 0472 Part 815
LABS-free
Flame resistance per UL FT2
Cable marking according to MgU-I-B09-41
Weld spark resistant according to MgU-I-B09-41

Connector Drawings



Wiring Diagrams

